

**LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.
703538.4018Serial N .10/658886
To be assignedApplicant:
Monkhorst and RostokerFiling Date:
Filed herewith Group:
3614-3641

U.S. PATENT DOCUMENTS

EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
B	AA 3,132,996	5/12/1964	Baker et al.			
	AB 3,258,402	6/28/1966	P.T. Farnsworth			
	AC 3,386,883	6/4/1968	P.T. Farnsworth			
	AD 3,527,977	9/8/1970	Ruark			
	AE 3,530,036	9/22/1970	R. L. Hirsch			
	AF 3,530,497	9/22/1970	R. L. Hirsch et al.			
	AG 4,010,396	3/1/1977	Ress et al.	313	231.3	
	AH 4,057,462	11/8/1977	Jassby et al.	176	5	
	AI 4,065,351	12/27/1977	Jassby et al.	176	5	
	AJ 4,233,537	11/11/1980	Limpaecher	313	231.3	
	AK 4,246,067	1/20/1981	Linlor	176	3	
	AL 4,416,845	11/22/1983	Salisbury	376	107	
	AM 4,548,782	10/22/1985	Manheimer, et al.	376	127	
	AN 4,639,348	1/27/1987	Jamagin	376	107	
	AO 4,826,646	5/2/1989	Bussard	376	129	
	AP 4,894,199	1/16/1990	Rostoker	376	107	
	AQ 3,859,164	1/7/1975	Nowak	176	2	
	AR 4,397,810	8/9/1983	Salisbury	376	107	
✓	AS 4,390,494	1/28/1983	Salisbury	376	107	

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2644 3641

US. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE		CLASS	SUB CLASS	FILING DATE
D	AT	4,347,621	8/31/1982	Dow	376	139	
	AU	4,314,879	2/9/1982	Hartman et al.	376	128	
	AV	4,274,919	6/23/1981	Jensen et al.	176	3	
	AW	4,267,488	5/12/1981	Wells	315	111.7	
	AX	4,202,725	5/13/1980	Jarnagin	176	5	
	AY	4,434,130	2/28/1984	Salisbury	376	107	
	AZ	4,650,631	3/17/1987	Knorr	376	127	
	BA	4,618,470	10/21/1986	Salisbury	376	123	
	BB	4,601,871	7/22/1986	Turner	376	144	
	BC	4,560,528	12/24/1985	Ohkawa	376	121	
	BD	4,543,231	9/24/1985	Ohkawa	376	133	
	BE	4,853,173	8/1/1989	Stenbacka	376	123	
	BF	5,015,432	5/14/1991	Koloc	376	148	
	BG	5,160,695	11/3/1992	Bussard	376	107	
	BG	5,160,694	11/2/1992	Steudtner	376	107	
	BI	5,041,760	8/20/1991	Koloc	315	111.41	
	BJ	5,923,716	7/13/1999	Meacham	376	121	
	BK	6,255,648 B1	7/3/2001	Littlejohn et al.	250	286	
	BL	4,584,473	4/22/1986	Hashimoto et al.	250	251	
	BM	4,347,621	8/31/1982	Dow	376	139	
	BN	4,189,346	2/9/1980	Jarnagin	176	5	

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703538.4018Serial N /9688882
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation
							Yes No
S	BO	WO 97/10605	3/20/1997	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

D	BP	Tuszewski, M., "Field Reversed Configurations," Nuclear Fusion, Vol. 28, No. 11, pp. 2033-2092 (1988).
	BQ	Tuszewski, M., "Status of the Field-Reversed Configuration as an Alternate Confinement Concept, Fusion Technology, Vol. 15, (Mar. 1989).
	BR	Rider, Todd H., "Fundamental limitations on plasma fusion systems not in thermodynamic equilibrium," Phys. Plasmas 4 (4), pp. 1039-1046, April 1997.
	BS	Avanzini et al., "Feasibility of Fusion Power Generation by Accelerated Ion Beams," ICENES, pp. 305-309, June 30-July 4, 1986.
	BT	Dawson, John M., "Advanced Fuels fo CTR," Four Workshops in Alternate Concepts in Controlled Fusion, EPRI ER-429-SR Special Report, Part B: Extended Summaries, pp. 143-147, May 1977.
	BU	Dawson, John M., "Alternate Concepts in Controlled Fusion," EPRI ER-429-SR Special Report, Part C: CTR Using the p- ¹¹ B Reaction, pp. iii-30, May 1977.
	BV	"Letters," ISSN 0036-8075, Science, Vol. 278, pp. 2024, 2032-2034, No. 5346, Dec. 19, 1997.
	BW	Finn et al., "Field-Reversed Configurations with a Component of Energetic Particles," Nuclear Fusion, Vol. 22, pp. 1443-1458, No. 11, (1982).
	BX	Tandem Energy Corporation Presentation, Dec. 12, 1997.
	BY	Post, Richard F., "Nuclear Fusion," McGraw-Hill Encyclopedia of Science & Tehcnology, 6 th Ed., pp. 142-153, 12 NIO-OZO.
	BZ	Rider, Todd H., "A general critique of inertial-electrostatic confinement fusion systems," Phys. Plasmas, Vol. 2, No. 6, Pl. 1, pp. 1853-1870, Jun. 1995.
	CA	Dobrott, D., "Alternate Fuels in Fusion Reactors," Nuclear Technology/Fusion, pp. 339-347, Vol. 4, Sept. 1983.
	CB	Miley et al., "A Possible Route to Small, Flexible Fusion Units," Energy, Vol. 4, pp. 163-170, Special Issue: 1978 Midwest Energy Conference.
	CC	Heidbrink et al., "The diffusion of fast ions in Ohmic TFTR discharges," Phys. Fluids B, Vol. 3, No. 11, pp. 3167-3170, Nov. 1991.
	CD	Heidbrink et al., "comparison of Experimental and Theoretical Fast Ion Slowing-Down Times in DIII-D," Nuclear Fusion, vol. 28, No. 10, pp. 1897-1900, plus letters page, (1988).
	CE	Becker et al., "Low-Energy Cross Sections for ¹¹ B(p,2α)*," Atomic Nuclei 327, pp. 341-355, (1987).
	CF	Rosenbluth et al., "Fokker-Planck Equation for an Inverse-Square Force," The Physical Review, Vol. 107, No. 1, pp. 1-6, Jul. 1957.
	CG	Feldbacher et al., "Basic Cross Section Data for Aneutronic Reactor," Nucl. Inst. and Methods in Phys. Res., A271, pp. 55-64 (1988).

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	CH	Naitou et al., "Kinetic Effects on the Connective Plasma Diffusion and the Heat Transport," J. of the Phys. Soc. of Jap., Vol. 46, No. 1, pp. 258-264, (1979).
	CI	Zweben et al., "Radial Diffusion Coefficient for Counter-Passing MeV Ions in the TFTR Tokamak," Nuclear Fusion, Vol. 13, No. 12, pp. 2219-2245, (1991).
	CJ	Song et al., "Electron trapping and acceleration in a modified elongated betatron," Phys. Fluids B, Vol. 4, No. 11, pp. 3771-3780, Nov. 1992.
	CK	Wong et al., "Stability of annular equilibrium of energetic large orbit ion beam," Phys. Fluids B., Vol. 3, No. 11, pp. 2973-2966, Nov. 1991.
	CL	Davis et al., "Generation of Field-Reversing E Layers with Millisecond Lifetimes," Phys. Review Lett., Vol. 37, No. 9, pp. 542-545, August 30, 1976.
	CM	Phelps, et al., "Observations of the stable equilibrium and classical diffusion of field reversing relativistic electron coils," The Phys. of Fluids, Vol. 17, No. 12, pp. 2226-2235, Dec. 1974.
	CN	Weaver et al., "Exotic CTR Fuels: Non-Thermal Effects and Laser Fusion Applications," Paper presented at 1973 Annual Meeting of the Amer. Phys. Soc. Div. of Plasma Physics, Philadelphia, PA, Oct. 30, 1973.
	CO	Weaver et al., "Fusion Microexplosions, Exotic Fusion Fuels, Direct conversion: Advanced Technology Options for CTR," UCID-16309, Apr. 27, 1973.
	CP	Weaver et al., "Exotic CTR Fuels for Direct Conversion-Utilizing Fusion Reactors," UCID-16230, March 16, 1973.
	CQ	Heidbrink, W.W., "Measurements of classical deceleration of beam ions in the DIII-D tokamak," Phys. Fluids B, Vol. 2, No. 1, pp. 4-5, Jan. 1990.
	CR	Cox, et al., Fusion Technology, Vol. 18, pp. 325 - 339
	CS	Rostoker et al., "Colliding Beam Fusion Reactor," Science, Vol. 278, pp. 1419-1422, Nov. 1997.
	CT	Rostoker et al., "Large Orbit Confinement for Aneutronic Systems," Non-Linear and Relativistic Effects in Plasmids, Ed. V. Stefan, Am. Inst. of Phys., New York, pp. 116-135, (1992).
	CU	Rostoker et al., "Magnetic Fusion with High Energy Self-Colliding Ion Beams," Phys. Rev. Lett., Vol. 27, No. 12, pp. 1818-1821 (1993).
	CV	Neivins, et al. "Feasibility of a Colliding Beam Fusion Reactor," online available: wysiwyg://66/http://intl.sciencemag.org/cgi/content/full/281/5375/307a
	CW	Carlson (dated Aug, 1998) "Annotated Bibliography of p-B11 Fusion," online available: http://www.ipp.mpg.de/~Arthur.carlson/p-B11-bib.html
	CX	Carlson, (dated 11/28/1997) "Re: Boron/Proton Colliding Beam Fusion Reactor?" online available: http://groups.google.com/groups?q=rostok...opuo.fsf%40s4awc.aug.ipp-garching.mpg.de
	CY	Carlson (dated 97-01-04) "Fundamental Limitation on Plasma Fusion Systems no in Thermodynamic Equilibrium," Online available: http://www.ipp.mpg.de/~Arthur.Carlson/rider.html
	CZ	Carlson (dated 2000/09/14), "Re: Lithium Fission - Why Not?", online available: http://groups.google.com/groups?q=rostok...v35u.fsi%40suawc.aug.ipp-garching.mpg.de
	DA	Carlson (dated 2000/05/10), "Home Page of Dr. A. Carlson" online available: http://www.rzg.mpg.de/~awc/home.html
	DB	W.W. Heidbrink, et al. "The Behaviour of Fast Ions in Tokamak Experiments," Nuclear Fusion, Vol. 34, No. 4 (1994)
	DC	L.C. Steinhauer, et al. "FRC 2001: A White Paper on FRC Development in the Next Five Years," Fusion Technology Vol. 30, September 1996
	DD	ROSTOKER, N. et al., <u>Self-colliding beams as an alternative fusion system for D-He³/reactors</u> , Current trends in International fusion research. Proceedings of the first International Symposium of Evaluation of Current Trends in Fusion Research, Washington, D.C., November 14-18, 1997, pages 33-41
EXAMINER: <i>Bahl</i>	DATE CONSIDERED: <u>4/10/98</u>	
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703538.4018Serial No. 10/65886
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D	DE	ROSTOKER, N. et al., <u>Colliding Beam Fusion Reactor</u> , University of California, Irvine, and University of Florida, Gainesville, FL, pages 1-26 (1997)
	DF	WARE, A et al., <u>Electrostatic plugging of open-ended magnetic containment systems</u> , Nuclear Fusion, December 1989, Austria, vol. 9, no. 4, pages 353-361
	DG	RUGGIERO, Alessandro G., <u>Proton-Boron Colliding Beams for Nuclear Fusion</u> , Proceedings of ICONE 8 8th Int'l. Conference on Nuclear Engineering (April 2-6, 2000, Baltimore, MD), pp. 1-11
	DH	BINDERBAUER et al., <u>Turbulent transport in magnetic confinement: how to avoid it</u> , Dept. of Physics, University of California, Irvine, CA (4/8/1996) pp. 1-15
	DI	ROSTOKER, N. et al., <u>Self-colliding beams as an alternative fusion system</u> , Proceedings of the International Conference on High Power Particle Beams (10th), San Diego, CA (June 20-24, 1994), pages 195, 196, 198, 200
	DJ	ROSTOKER, N. et al., <u>Comments on Plasma Phys. Controlled Fusion, Self-Colliding Systems for Aneutronic Fusion</u> , Vol. 15, No. 2, pp. 105-120, 1992 Gordon and Breach, Science Publishers S.A., U.K.
	DK	Welcome to Colliding Beam Fusion (http://fusion.ps.uci.edu/beam/intro.html) (Copyright 1997), pp. 1-3
	DL	ROSTOKER, NORMAN, <u>Advanced Fusion Energy and Future Energy Mix Scenarios</u> , Abstracts with Programs from 1999 Annual Meeting and Exposition, The Geological Society of America (Oct. 25-28, 1999, Denver, CO),
	DM	DAWSON, JOHN M., <u>Advanced Fuels for CTR</u> , Four Workshops in Alternate Concepts in Controlled Fusion, Electric Power Research Institute, Palo Alto, CA (May 1977), pp. 143-147
	DN	ROSTOKER, NORMAN, <u>Alternate Fusion Concepts</u> , Current Trends in International Fusion Research, edited by Panarella, Plenum Press, New York and London, pp. 489-495
	DO	ROSTOKER, N. et al., <u>Classical Scattering in a High Beta Self-Collider/FRC</u> , AIP Conference Proceedings 311 (Irvine, CA 1993), Physics of High Energy Particles in Toroidal Systems, American Institute of Physics, New York
	DP	ROSTOKER, N. et al., <u>Colliding Beam Fusion Reactor</u> , 12th Inter'l. Conference on High-Power Particle Beams, Beans '98, Haifa, Israel (June 7-12, 1998), Vol. 1, 8 pages
	DQ	ROSTOKER, N. et al., <u>Colliding Beam Fusion Reactor</u> , American Association for the Advancement of Science (11/21/1997), Vol. 278, pp. 1419-1422
	DR	WESSEL et al., <u>Colliding Beam Fusion Reactor Space Propulsion System</u> , Space Tech. and Applications International Forum-2000, edited by M.S. El-Genk (2000 American Institute of Physics, pp. 1425-1430)
	DS	WESSEL et al., <u>D-T Beam Fusion Reactor</u> , Journal of Fusion Energy, Vol. 17, No. 3 (Sept. 1998), pp. 209-211
	DT	ROSTOKER et al., <u>Fusion Reactors Based on Colliding Beams in a Field Reversed Configuration Plasma</u> , Comments Plasma Phys. Controlled Fusion (1997), Vol. 18, No. 1, No. 1, pp. 11-23
	DU	ROSTOKER, <u>Large Orbit Magnetic Confinement Systems for Advanced Fusion Fuels</u> , Final Technical Report, U.S. Department of Commerce, National Technical Information Service (April 1, 1990-Feb. 29, 1992)
	DV	MILEY, G.H. et al., "On Design and Development issues for the FRC and Related Alternate Confinement Concepts," 6th IAEA Technical Committee Meeting and Workshop on Fusion Power Plant Design and Technology, Culham, UK, 24-27 March 1998, vol. 48, no. 3-4, pages 327-337
✓	DW	KALINOWSKY, H "Deceleration of Antiprotons from MeV to keV Energies" Antihydrogen Workshop, Munich, Germany, 30-31 July 1992, Vol. 79, no. 1-4, pages 73-80

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